

50500201
Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked Oil in Undiscovered Oil Fields

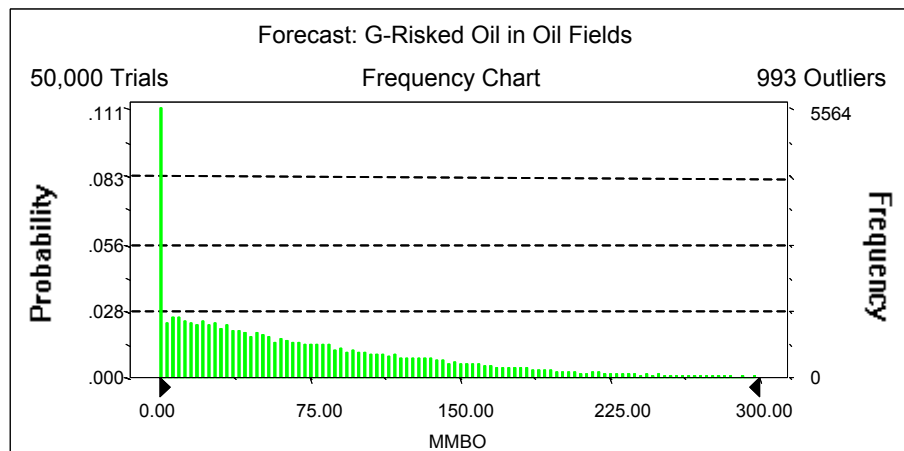
Summary:

Display range is from 0.00 to 300.00 MMBO

Entire range is from 0.00 to 786.78 MMBO

After 50,000 trials, the standard error of the mean is 0.35

Statistics:	Value
Trials	50000
Mean	78.69
Median	57.50
Mode	0.00
Standard Deviation	77.35
Variance	5,982.29
Skewness	1.63
Kurtosis	6.73
Coefficient of Variability	0.98
Range Minimum	0.00
Range Maximum	786.78
Range Width	786.78
Mean Standard Error	0.35



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Pre-Punta Gorda Dolomite Gas and Oil
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Forecast: Geologic-Risked Oil in Undiscovered Oil Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	0.00
95%	0.00
90%	0.00
85%	7.82
80%	13.81
75%	20.27
70%	26.87
65%	33.77
60%	41.00
55%	49.13
50%	57.50
45%	66.77
40%	77.07
35%	87.80
30%	100.54
25%	114.85
20%	131.77
15%	152.18
10%	181.41
5%	231.16
0%	786.78

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked Gas in Undiscovered Oil Fields

Summary:

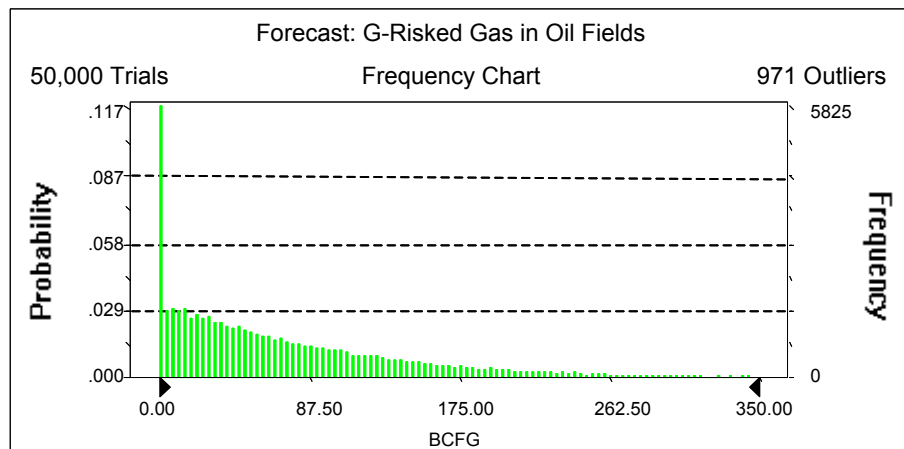
Display range is from 0.00 to 350.00 BCFG

Entire range is from 0.00 to 959.60 BCFG

After 50,000 trials, the standard error of the mean is 0.40

Statistics:

	<u>Value</u>
Trials	50000
Mean	83.25
Median	56.30
Mode	0.00
Standard Deviation	90.17
Variance	8,129.94
Skewness	2.13
Kurtosis	9.84
Coefficient of Variability	1.08
Range Minimum	0.00
Range Maximum	959.60
Range Width	959.60
Mean Standard Error	0.40



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Forecast: Geologic-Risked Gas in Undiscovered Oil Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	0.00
95%	0.00
90%	0.00
85%	7.42
80%	13.37
75%	19.33
70%	25.86
65%	32.59
60%	39.80
55%	47.79
50%	56.30
45%	65.54
40%	76.03
35%	87.92
30%	101.37
25%	117.29
20%	135.85
15%	160.51
10%	196.84
5%	259.78
0%	959.60

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked NGL in Undiscovered Oil Fields

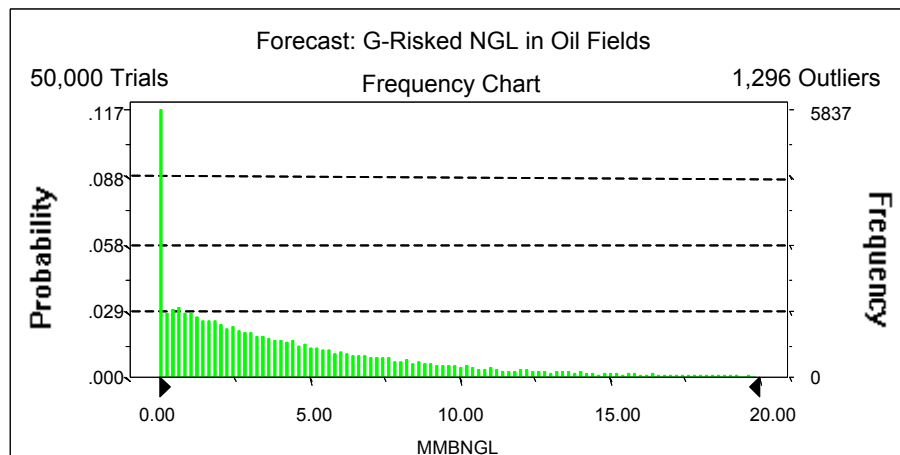
Summary:

Display range is from 0.00 to 20.00 MMBNGL

Entire range is from 0.00 to 68.38 MMBNGL

After 50,000 trials, the standard error of the mean is 0.03

Statistics:	Value
Trials	50000
Mean	4.99
Median	3.27
Mode	0.00
Standard Deviation	5.64
Variance	31.84
Skewness	2.41
Kurtosis	12.36
Coefficient of Variability	1.13
Range Minimum	0.00
Range Maximum	68.38
Range Width	68.38
Mean Standard Error	0.03



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Forecast: Geologic-Risked NGL in Undiscovered Oil Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.00
95%	0.00
90%	0.00
85%	0.43
80%	0.76
75%	1.11
70%	1.48
65%	1.88
60%	2.30
55%	2.77
50%	3.27
45%	3.83
40%	4.45
35%	5.14
30%	5.95
25%	6.92
20%	8.09
15%	9.62
10%	11.89
5%	15.94
0%	68.38

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Largest Undiscovered Oil Field

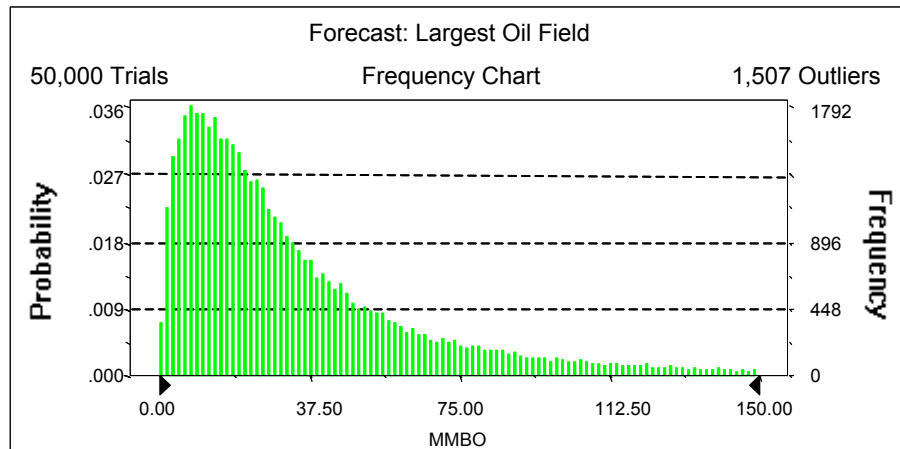
Summary:

Display range is from 0.00 to 150.00 MMBO

Entire range is from 0.52 to 299.61 MMBO

After 50,000 trials, the standard error of the mean is 0.18

Statistics:	Value
Trials	50000
Mean	38.61
Median	25.43
Mode	---
Standard Deviation	41.02
Variance	1,682.59
Skewness	2.52
Kurtosis	11.14
Coefficient of Variability	1.06
Range Minimum	0.52
Range Maximum	299.61
Range Width	299.09
Mean Standard Error	0.18



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Forecast: Largest Undiscovered Oil Field (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	0.52
95%	4.04
90%	6.44
85%	8.54
80%	10.66
75%	12.87
70%	15.06
65%	17.43
60%	19.87
55%	22.53
50%	25.43
45%	28.60
40%	32.31
35%	36.65
30%	41.87
25%	48.15
20%	56.48
15%	68.23
10%	86.26
5%	121.61
0%	299.61

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked Gas in Undiscovered Gas Fields

Summary:

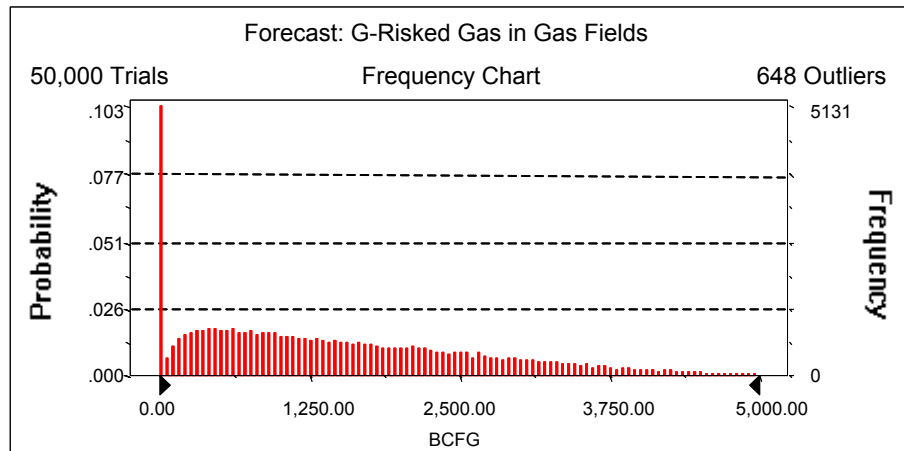
Display range is from 0.00 to 5,000.00 BCFG

Entire range is from 0.00 to 8,837.54 BCFG

After 50,000 trials, the standard error of the mean is 5.66

Statistics:

	<u>Value</u>
Trials	50000
Mean	1,545.41
Median	1,288.97
Mode	0.00
Standard Deviation	1,266.44
Variance	1,603,873.60
Skewness	0.91
Kurtosis	3.56
Coefficient of Variability	0.82
Range Minimum	0.00
Range Maximum	8,837.54
Range Width	8,837.54
Mean Standard Error	5.66



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Monte Carlo Results

Forecast: Geologic-Risked Gas in Undiscovered Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	0.00
95%	0.00
90%	0.00
85%	240.93
80%	383.88
75%	522.23
70%	662.26
65%	808.38
60%	959.29
55%	1,116.40
50%	1,288.97
45%	1,471.04
40%	1,662.65
35%	1,866.24
30%	2,091.40
25%	2,325.76
20%	2,594.55
15%	2,922.48
10%	3,330.87
5%	3,951.48
0%	8,837.54

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked Liquids in Undiscovered Gas Fields

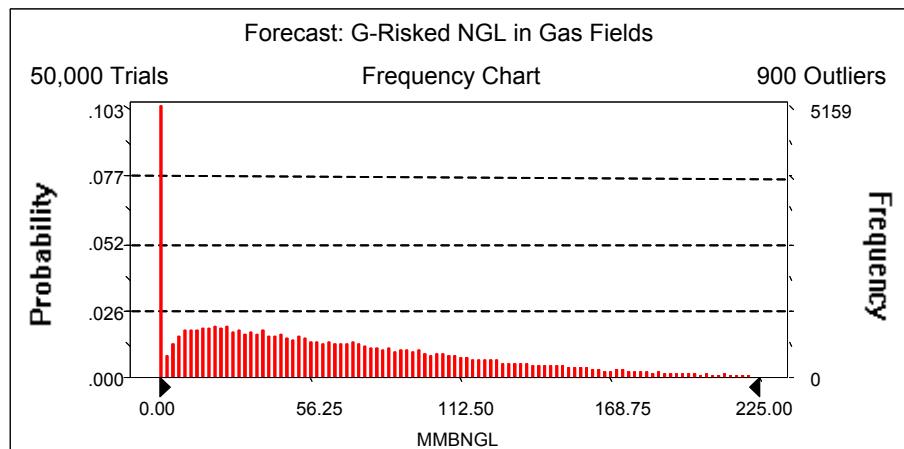
Summary:

Display range is from 0.00 to 225.00 MMBNGL

Entire range is from 0.00 to 509.88 MMBNGL

After 50,000 trials, the standard error of the mean is 0.26

Statistics:	Value
Trials	50000
Mean	68.01
Median	54.77
Mode	0.00
Standard Deviation	58.54
Variance	3,426.85
Skewness	1.15
Kurtosis	4.49
Coefficient of Variability	0.86
Range Minimum	0.00
Range Maximum	509.88
Range Width	509.88
Mean Standard Error	0.26



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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Geologic-Risked Liquids in Undiscovered Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.00
95%	0.00
90%	0.00
85%	10.13
80%	16.24
75%	22.01
70%	27.84
65%	34.22
60%	40.55
55%	47.43
50%	54.77
45%	62.73
40%	71.21
35%	79.93
30%	89.94
25%	100.63
20%	113.14
15%	128.54
10%	149.60
5%	181.55
0%	509.88

End of Forecast

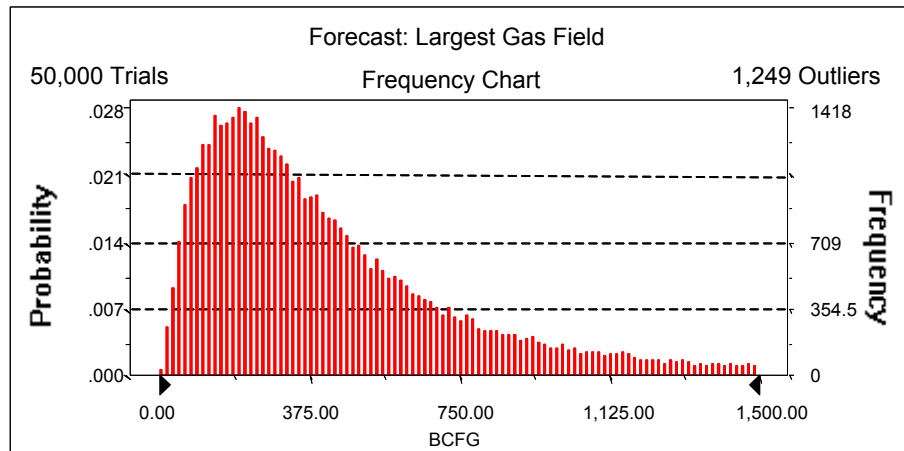
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Pre-Punta Gorda Dolomite Gas and Oil
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Forecast: Largest Undiscovered Gas Field

Summary:

Display range is from 0.00 to 1,500.00 BCFG
Entire range is from 6.25 to 1,999.94 BCFG
After 50,000 trials, the standard error of the mean is 1.63

Statistics:	Value
Trials	50000
Mean	452.11
Median	345.64
Mode	---
Standard Deviation	364.20
Variance	132,639.19
Skewness	1.60
Kurtosis	5.67
Coefficient of Variability	0.81
Range Minimum	6.25
Range Maximum	1,999.94
Range Width	1,993.69
Mean Standard Error	1.63



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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Largest Undiscovered Gas Field (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	6.25
95%	76.48
90%	110.53
85%	140.14
80%	168.25
75%	195.63
70%	222.12
65%	249.79
60%	279.49
55%	310.89
50%	345.64
45%	383.94
40%	424.71
35%	471.72
30%	526.95
25%	592.77
20%	674.07
15%	783.84
10%	945.60
5%	1,232.37
0%	1,999.94

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Oil in Undiscovered Oil Fields in Big Cypress

Summary:

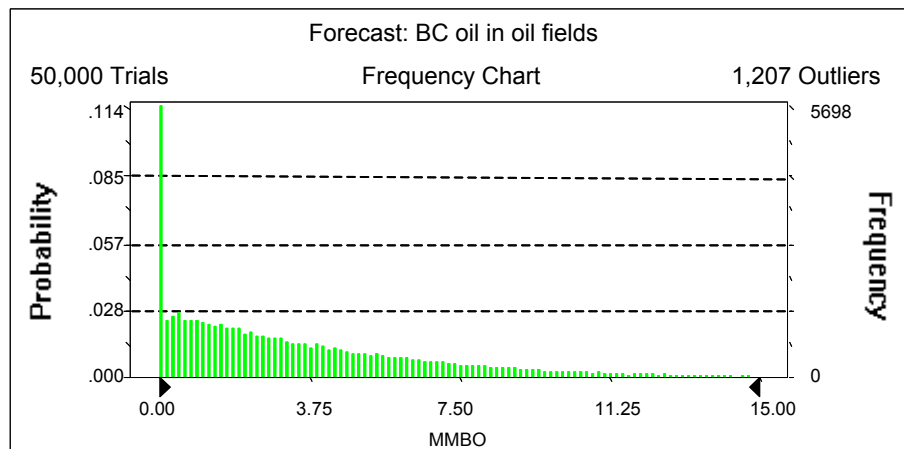
Display range is from 0.00 to 15.00 MMBO

Entire range is from 0.00 to 38.36 MMBO

After 50,000 trials, the standard error of the mean is 0.02

Statistics:

	<u>Value</u>
Trials	50000
Mean	3.94
Median	2.75
Mode	0.00
Standard Deviation	4.09
Variance	16.76
Skewness	1.89
Kurtosis	8.16
Coefficient of Variability	1.04
Range Minimum	0.00
Range Maximum	38.36
Range Width	38.36
Mean Standard Error	0.02



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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Oil in Undiscovered Oil Fields in Big Cypress (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	0.00
95%	0.00
90%	0.00
85%	0.36
80%	0.65
75%	0.95
70%	1.26
65%	1.59
60%	1.95
55%	2.33
50%	2.75
45%	3.20
40%	3.70
35%	4.26
30%	4.89
25%	5.64
20%	6.53
15%	7.64
10%	9.21
5%	12.01
0%	38.36

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Gas in Undiscovered Oil Fields in Big Cypress

Summary:

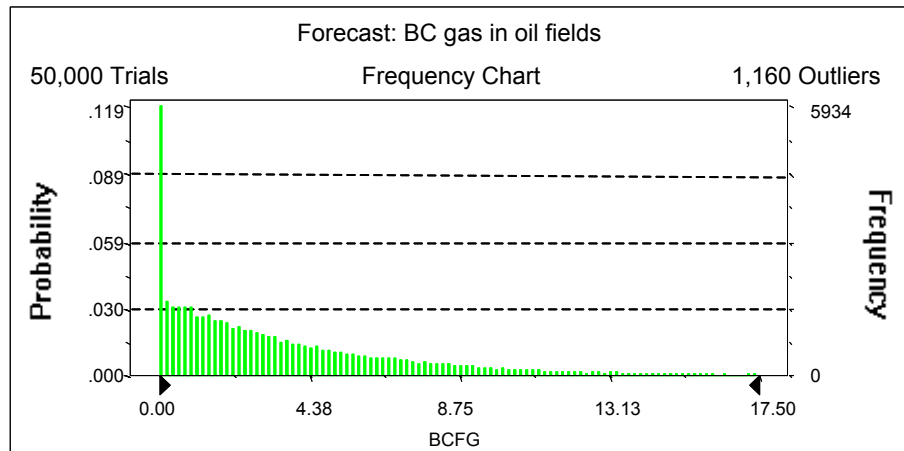
Display range is from 0.00 to 17.50 BCFG

Entire range is from 0.00 to 62.06 BCFG

After 50,000 trials, the standard error of the mean is 0.02

Statistics:

	<u>Value</u>
Trials	50000
Mean	4.17
Median	2.69
Mode	0.00
Standard Deviation	4.76
Variance	22.69
Skewness	2.43
Kurtosis	12.41
Coefficient of Variability	1.14
Range Minimum	0.00
Range Maximum	62.06
Range Width	62.06
Mean Standard Error	0.02



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Forecast: Gas in Undiscovered Oil Fields in Big Cypress (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	0.00
95%	0.00
90%	0.00
85%	0.34
80%	0.62
75%	0.91
70%	1.22
65%	1.54
60%	1.89
55%	2.28
50%	2.69
45%	3.14
40%	3.66
35%	4.26
30%	4.96
25%	5.76
20%	6.78
15%	8.08
10%	9.96
5%	13.44
0%	62.06

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: NGL in Undiscovered Oil Fields in Big Cypress

Summary:

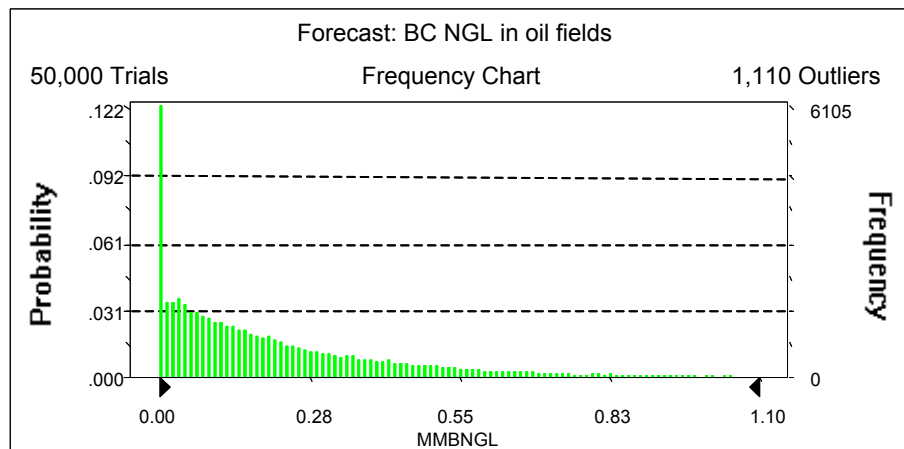
Display range is from 0.00 to 1.10 MMBNGL

Entire range is from 0.00 to 4.68 MMBNGL

After 50,000 trials, the standard error of the mean is 0.00

Statistics:

	<u>Value</u>
Trials	50000
Mean	0.25
Median	0.16
Mode	0.00
Standard Deviation	0.30
Variance	0.09
Skewness	2.74
Kurtosis	15.83
Coefficient of Variability	1.19
Range Minimum	0.00
Range Maximum	4.68
Range Width	4.68
Mean Standard Error	0.00



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Forecast: NGL in Undiscovered Oil Fields in Big Cypress (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.00
95%	0.00
90%	0.00
85%	0.02
80%	0.04
75%	0.05
70%	0.07
65%	0.09
60%	0.11
55%	0.13
50%	0.16
45%	0.18
40%	0.21
35%	0.25
30%	0.29
25%	0.34
20%	0.40
15%	0.48
10%	0.60
5%	0.82
0%	4.68

End of Forecast

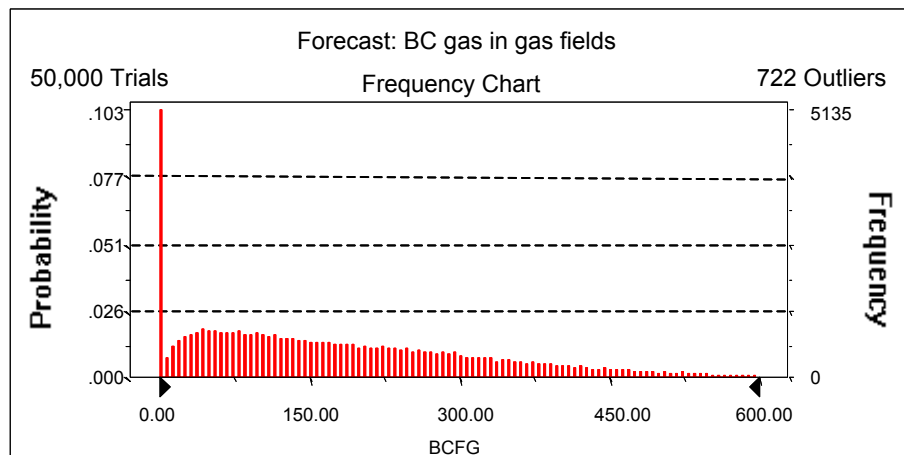
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Monte Carlo Results

Forecast: Gas in Undiscovered Gas Fields in Big Cypress

Summary:

Display range is from 0.00 to 600.00 BCFG
Entire range is from 0.00 to 1,038.16 BCFG
After 50,000 trials, the standard error of the mean is 0.69

Statistics:	Value
Trials	50000
Mean	185.41
Median	153.54
Mode	0.00
Standard Deviation	153.73
Variance	23,633.26
Skewness	0.97
Kurtosis	3.77
Coefficient of Variability	0.83
Range Minimum	0.00
Range Maximum	1,038.16
Range Width	1,038.16
Mean Standard Error	0.69



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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Gas in Undiscovered Gas Fields in Big Cypress (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	0.00
95%	0.00
90%	0.00
85%	28.53
80%	45.41
75%	62.03
70%	78.83
65%	96.09
60%	113.92
55%	132.73
50%	153.54
45%	175.11
40%	197.77
35%	223.10
30%	249.05
25%	278.16
20%	310.77
15%	350.32
10%	400.77
5%	480.39
0%	1,038.16

End of Forecast

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Pre-Punta Gorda Dolomite Gas and Oil
Monte Carlo Results

Forecast: Liquids in Undiscovered Gas Fields in Big Cypress

Summary:

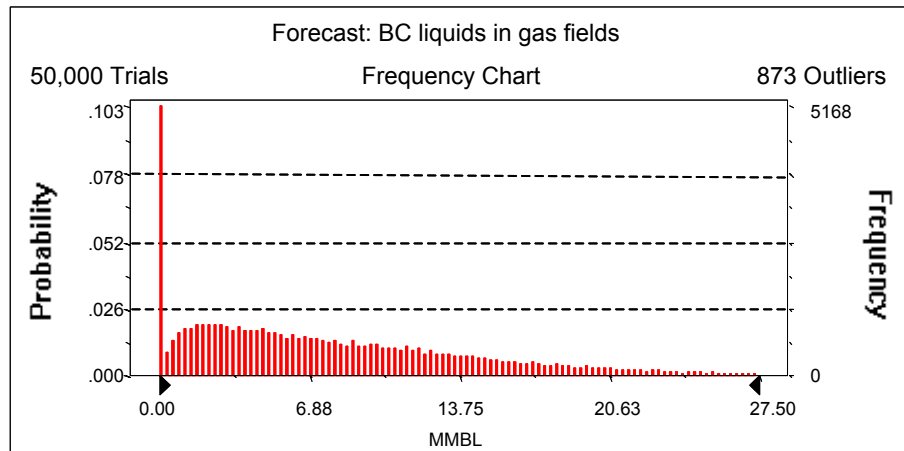
Display range is from 0.00 to 27.50 MMBL

Entire range is from 0.00 to 59.74 MMBL

After 50,000 trials, the standard error of the mean is 0.03

Statistics:

	<u>Value</u>
Trials	50000
Mean	8.16
Median	6.52
Mode	0.00
Standard Deviation	7.09
Variance	50.33
Skewness	1.20
Kurtosis	4.69
Coefficient of Variability	0.87
Range Minimum	0.00
Range Maximum	59.74
Range Width	59.74
Mean Standard Error	0.03



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Pre-Punta Gorda Dolomite Gas and Oil
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Forecast: Liquids in Undiscovered Gas Fields in Big Cypress (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBL</u>
100%	0.00
95%	0.00
90%	0.00
85%	1.20
80%	1.92
75%	2.61
70%	3.31
65%	4.07
60%	4.83
55%	5.63
50%	6.52
45%	7.46
40%	8.48
35%	9.58
30%	10.74
25%	12.03
20%	13.56
15%	15.43
10%	17.99
5%	21.94
0%	59.74

End of Forecast

Assumptions

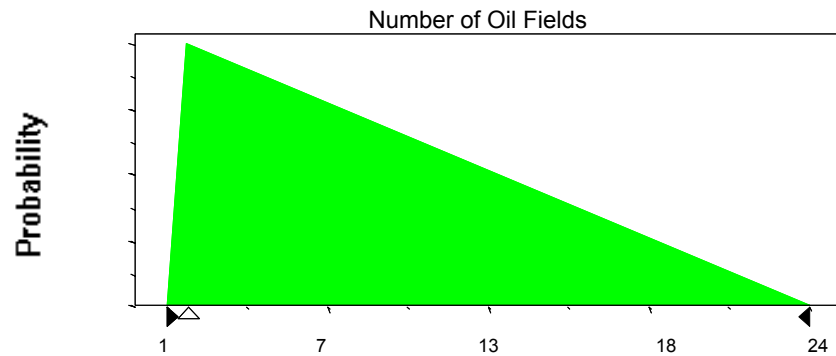
Assumption: Number of Undiscovered Oil Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	2
Maximum	24

Selected range is from 1 to 24

Mean value in simulation was 9



Assumption: Sizes of Undiscovered Oil Fields

Lognormal distribution with parameters:

Mean	9.87	Shifted parameters	10.37
Standard Deviation	26.02		26.02

Selected range is from 0.00 to 299.50

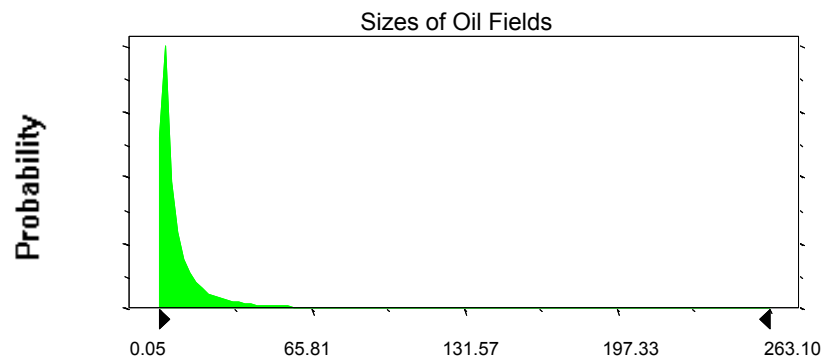
Mean value in simulation was 9.38

0.50 to 300.00

9.88

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Assumption: Sizes of Undiscovered Oil Fields (cont'd)



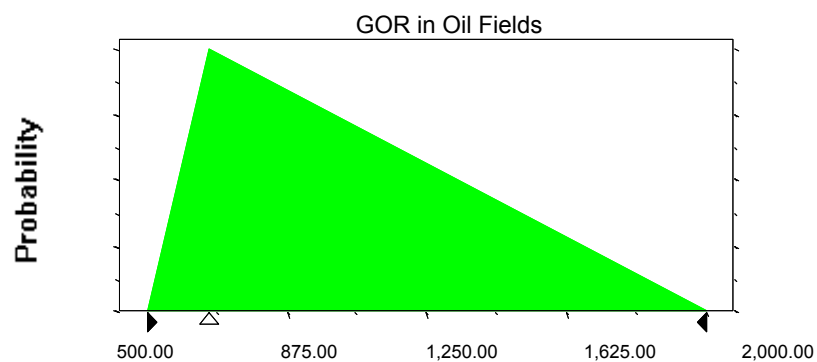
Assumption: GOR in Undiscovered Oil Fields

Triangular distribution with parameters:

Minimum	500.00
Likeliest	666.67
Maximum	2,000.00

Selected range is from 500.00 to 2,000.00

Mean value in simulation was 1,056.58



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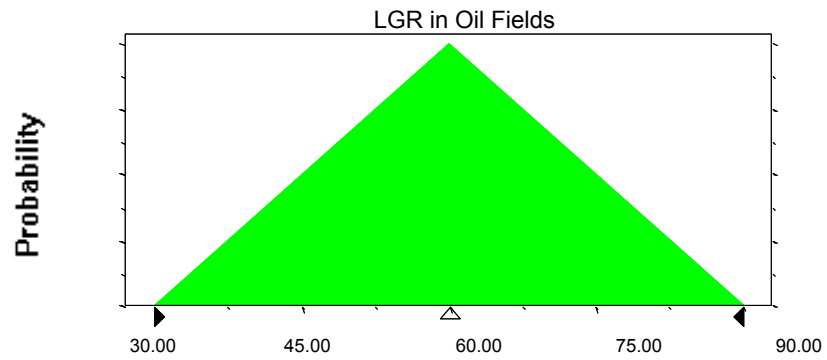
Assumption: LGR in Undiscovered Oil Fields

Triangular distribution with parameters:

Minimum	30.00
Likeliest	60.00
Maximum	90.00

Selected range is from 30.00 to 90.00

Mean value in simulation was 59.91



Assumption: Number of Undiscovered Gas Fields

Triangular distribution with parameters:

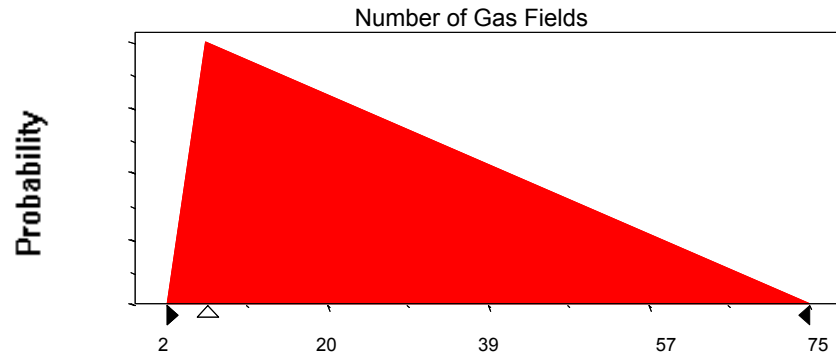
Minimum	2
Likeliest	7
Maximum	75

Selected range is from 2 to 75

Mean value in simulation was 28

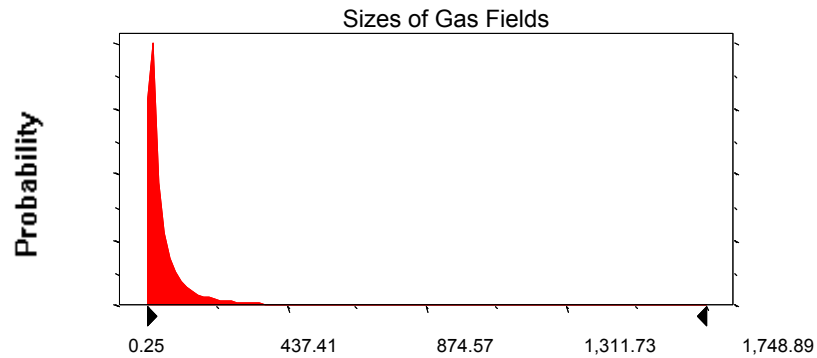
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Monte Carlo Results

Assumption: Number of Undiscovered Gas Fields (cont'd)



Assumption: Sizes of Undiscovered Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	62.24	65.24
Standard Deviation	173.64	173.64
Selected range is from 0.00 to 1,997.00		3.00 to 2,000.00
Mean value in simulation was 58.68		61.68



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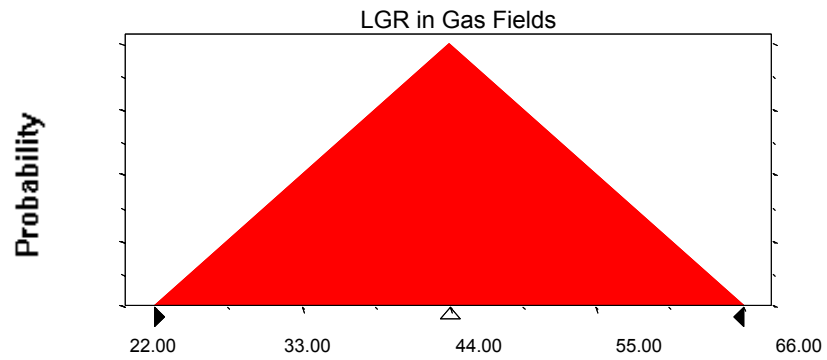
Assumption: LGR in Undiscovered Gas Fields

Triangular distribution with parameters:

Minimum	22.00
Likeliest	44.00
Maximum	66.00

Selected range is from 22.00 to 66.00

Mean value in simulation was 44.00



Assumption: Undiscovered Oil % in Big Cypress

Triangular distribution with parameters:

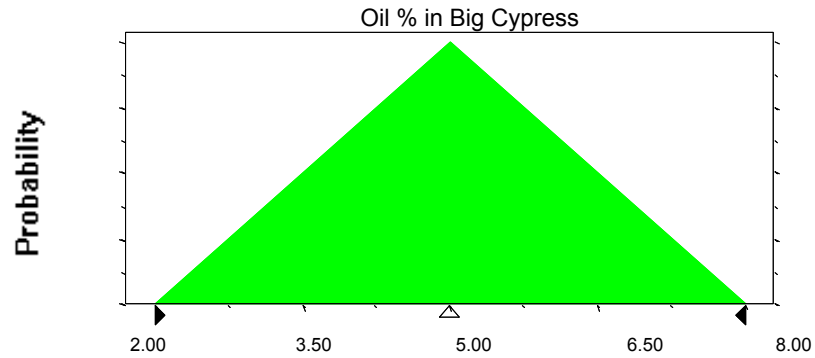
Minimum	2.00
Likeliest	5.00
Maximum	8.00

Selected range is from 2.00 to 8.00

Mean value in simulation was 5.00

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Assumption: Undiscovered Oil % in Big Cypress (cont'd)



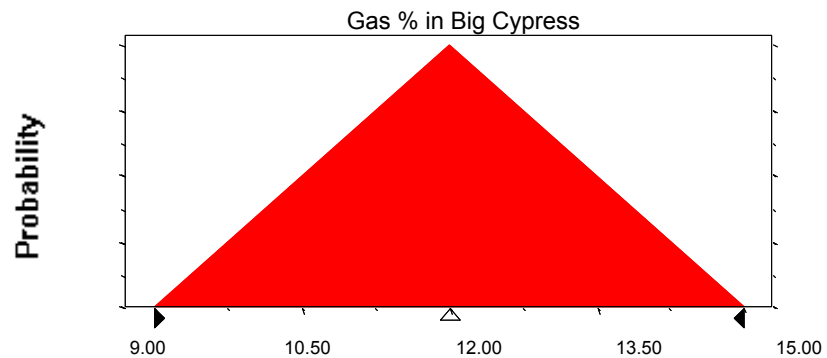
Assumption: Undiscovered Gas % in Big Cypress

Triangular distribution with parameters:

Minimum	9.00
Likeliest	12.00
Maximum	15.00

Selected range is from 9.00 to 15.00

Mean value in simulation was 12.00



End of Assumptions

Simulation started on 5/25/00 at 9:32:52

Simulation stopped on 5/25/00 at 10:31:02